



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/809,622	03/25/2004	Brad Bridges	2003P04330 US01	7471
7590	08/27/2007		EXAMINER	
Elsa Keller Siemens Corporation Intellectual Property Department 170 Wood Avenue South Iselin, NJ 08830			NGUYEN, KHAIN	
			ART UNIT	PAPER NUMBER
			2609	
			MAIL DATE	DELIVERY MODE
			08/27/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)
	10/809,622	BRIDGES ET AL.
	Examiner Khai N. Nguyen	Art Unit 2609

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 25 March 2004.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-18 is/are pending in the application.
 - 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-18 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____. | 6) <input type="checkbox"/> Other: _____. |

DETAILED ACTION

Title

1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

The following title is suggested:

Method and apparatus provide a remote digital terminal with stand-alone capability.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless —

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-4, 6-14, and 16-18 are rejected under 35 U.S.C. 102(b) as being anticipated by Gorshe et al. (U.S. Patent 5,355,362).

Regarding claims 1 and 11, Gorshe et al. teach a method and an apparatus for providing a remote with a stand alone capability to connect calls independently, wherein the remote normally connects through a host that provides call connectivity to a remote

user (Fig. 1- Remote Digital Terminal (RDT), Fig. 5-Fig.9 – 27 – Remote Switch Unit – col. 8 lines 29-32, i.e., stand-alone switching operation of an RDT in the event of a failure of the communication link between the host and the RDT), comprising the steps of:

downloading data from the host to the remote needed for basic connectivity (Fig. 2 – 32 – col. 3 lines 37-40, and Fig. 6-9, col. 10 lines 6-12); and
triggering the stand alone capability upon the detection communication link failure between the remote and the host (Col. 8 lines 29-32).

Regarding claims 2 and 12, Gorshe et al. teach a method and an apparatus, wherein the step of downloading downloads line data needed for connecting calls (Fig. 2 – 32 – col. 3 lines 37-40).

Regarding claims 3 and 13, Gorshe et al. teach a method and an apparatus, wherein the step of downloading downloads call services to support a minimum quality of service (Col. 1 lines 29-32).

Regarding claims 4 and 14, Gorshe et al. teach a method and an apparatus, wherein the data is Centrex data (Fig. 1 – Central Office Terminal, and Fig. 3 – 310-311, col. 3 lines 43-46, i.e., low speed rates DS0 (56 to 64 Kbps – Centrex data service).

Regarding claim 6, Gorshe et al. teach a method further comprising the step of providing at least one service that effects the stand alone capability (**Col. 8 lines 29-32, e.g., telephone connections**).

Regarding claim 7, Gorshe et al. teach a method wherein the service is a download service (**Col. 8 lines 12-14, i.e., data communications service**).

Regarding claims 8 and 16, Gorshe et al. teach an apparatus and a method wherein the service is an administration change notification service that provides that administration changes have been made to Subscriber Data required by the remote for call connectivity (**Col. 1 lines 36-40, and lines 66-68**).

Regarding claims 9 and 17, Gorshe et al. teach an apparatus and a method, wherein the service is a Database Synchronization and Status Service that provides a mechanism to ensure that administration changes to subscriber data are properly reported to the remote (**Col. 6 lines 3-6, lines 10-14**).

Regarding claims 10 and 18, Gorshe et al. teach an apparatus and a method, wherein the remote is a remote digital terminal (RDT) that operates in compliance with the GR303 standard (**Col. 2 line 68, col. 3 lines 1-4, and col. 4 lines 67-68, i.e., Bellcore TR-TSY-000303 (TR-303) (Technical Requirements TR-303 now turned into Generic Requirements GR-303)**).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

5. Claims 5 and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gorshe et al. (U.S. Patent 5,355,362) in view of Martin et al. (U.S. Pub. No. 2002/0064267 A1).

Claim 5. The method of claim 3, wherein the data is multi line hunt group data.

Claim 15. The apparatus of claim 13, wherein the data is multi line hunt group data.

Regarding claims 5 and 15, Gorshe et al. disclose everything claimed as applied above (see claims 1, 3 and 13). However, Gorshe et al. fail to specifically disclose their invention in detail about Central Office (CO) Class 5 features such as multi-line hunt group. Although Gorshe et al. teach all the essential features or TR-303 (GR-303) to provide services between a remote digital terminal (RDT) and a local digital switch or central office (Gorshe et al. – col. 3 lines 1-15).

In the same field of endeavor, Martin et al. disclose systems and process for call and call feature set up, administration and processing between a remote digital terminal and a central office (Class4/5) switch (Martin et al. – paragraph [0002]-[0003]) that support class 4 and class 5 telephone service features such as multi-line hunt group (Martin et al. – paragraph [0111] and Appendix A: Class 5 Feature List). The advantage of Martin's invention is to provide improved systems and methods for call and call feature set up, administration and processing (Martin et al. – paragraph [0007]) and such methods and systems can be implemented on any platforms (Martin et al. – paragraph [0011]).

Therefore, it would have been obvious to person of ordinary skill in the art at the time the invention was made to provide Gorshe et al. with these improved methods to support class 4 and class 5 call features such as multi-line hunt group.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Kennedy et al. (U.S. Patent 4,558,444) teach a network with a host switching system and a number of remote digital terminals.

Blum (U.S. Pub. Number 2003/0048722 A1) teaches a system for converting GR-303 signals to NCS signals.

Gallant et al. (U>S> Pub. Number 2003/0142663 A1) teach a distributed system between host digital terminal and a remote digital terminal.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khai N. Nguyen whose telephone number is (571) 270-3141. The examiner can normally be reached on Monday - Thursday 6:30AM - 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Alexander Eisen can be reached on (571) 272-7687. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Alexander Eisen
SPE
Art Unit 2609

KNN
08/23/2007